

# INFORMATION DISCLOSURE CITATION

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Docket Number (Optional)

14998.2

Application Number

09/635,109

Applicant(s)

Kazuhiko Aikawa et al

Filing Date

August 9, 2000

Group Art Unit

2974

## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	A	5,781,684	7/14/98	LIU			
MJS	B	5,191,631	3/2/93	ROSENBERG	385	123	
	C						
	D						
	E						
	F						
	G						
	H						
	I						
	J						
	K						

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
MJS	L	EP 0 789 255	8/13/97	Europe				
MJS	M	WO 99/22257	5/6/99	PCT				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)


EXAMINER

*Michael J. Stahl*

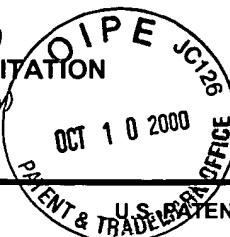
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## U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MJS	AA	5,835,655	11/1998	Liu et al.	385	124	—
MJS	AB	5,781,684	7/1998	Liu	385	124	—
MJS	AC	5,361,319	11/1994	Antos et al.	385	123	—
MJS	AD	4,852,968	8/1989	Reed	385	127	—
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

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		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
MJS	AL	WO096/07942	3/1996	WIPO	—	—	—	—
	AM							
	AN							
	AO							
	AP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MJS	AR	Yanming Liu, et al, "SINGLE-MODE DISPERSION-SHIFTED FIBERS WITH EFFECTIVE AREA LARGER THAN 80 um <sup>2</sup> AND GOOD BENDING PERFORMANCE", <i>EOCC '95 Tu. L.2.4. pp. 333-336</i> (1995, no month avail.)
MJS	AS	P. Nouchi, et al, "NEW DISPERSION-SHIFTED FIBERS WITH EFFECTIVE AREA LARGER THAN 90 um <sup>2</sup> , <i>EOCC '96 Mob.3.2.</i> (1996, no month avail.)

EXAMINER

*Michael J. Smith*

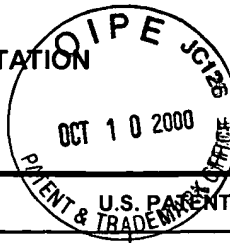
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							YES	NO
	BL							
	BM							
	BN							
	BO							
	BP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MJS	BR	T. Kato, et al, "ULTRA-LOW NONLINEARITY LOW-LOSS PURE SILICA CORE FIBER FOR LONG-HAUL WDM TRANSMISSION", <i>Electronic Letters</i> 16th September 1999, vol. 35, No. 19
MJS	BS	K. Aikawa, et al, "SINGLE-MODE OPTICAL FIBER WITH EFFECTIVE CORE AREA LARGER THAN 160 um <sup>2</sup> ", EOCC '99 26-30 September 1999, Nice, France 1-302 - 1-303

EXAMINER

*Michael J. Stahl*

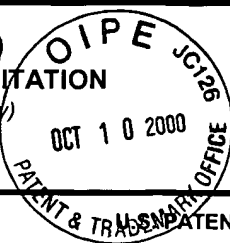
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	CP							

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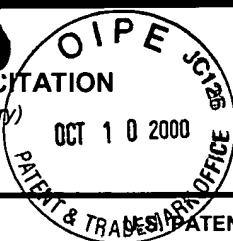
MJS	CR	T. Kato, et al, "ULTRA LOW NONLINEARITY LOW LOSS PURE SILICA CORE FIBER", 1999 The Institute of Electric, Information and Communication Engineers Electronics Society Meeting C-3-76	(no month avail.)
MJS	CS	A. Aikawa, et al, "SINGLE-MODE OPTICAL FIBER WITH LARGE EFFECTIVE CORE AREA" 1999, The Institute of Electric, Information and Communication Engineers Electronics Society Meeting C-3-77	(no month avail.)

EXAMINER <i>Michael J. Hoff</i>	DATE CONSIDERED 8/27/01
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	DL							
	DM							
	DN							
	DO							
	DP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MJS	DR	M. Tsukitani, et al, "STUDY OF DESIGN ORGANIZATION OF SMF AND DCF HYBRID TRANSMISSION LINES HAVING LOW LOSS AND LOW NONLINEARITY", 1999, The Institute of Electric, Information and Communication Engineers Electronics Society Meeting C-3-78 (no month avail.)
MJS	DS	M. Tsukitani, et al, "LOW-NONLINEARITY DISPERSION-FLATTENED HYBRID TRANSMISSION LINES CONSISTING OF LOW NONLINEARITY PURE-SILICA-CORE FIBERS", Technical Report of Ieice, OCS 99-97, Ope 99-101, LQE 99-98 (1999-11) (1999, no month avail.)

EXAMINER

*Michael J. Hall*

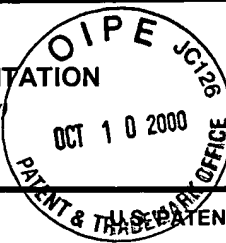
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	EH						
	EI						
	EJ						
	EK						

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							YES	NO
	EL							
	EM							
	EN							
	EO							
	EP							

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MJS	ER	T. Kato et al, "Ultra Low Nonlinearity Low Loss Pure Silica Core Fiber", OECC '99, pp. 1575-1576. (October 1999)
MJS	ES	Eisuke Sasaoka et al, "Design Optimization of SMF-DCF Hybrid Transmission Lines For Long Haul Large Capacity WDM Transmission Systems", OECC '99, pp. 378-379. (1999, no month avail.)

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*Michael J. Helt*

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